Method for Production of Proteins in Host Cells
Donnelly et al.
SN# Unassigned
Docket No. GC559-D1
Sheet 1 of 5

Fig. 1 GroEL-binding loop of GroES protein of E. coli

Amino acid
sequence   E V E T K S A G G I V L T G S A A A

Corresponding   GAAGTTGAAACCAAATCTGCTGGTGGTATCGTTCTGACCGGTTCTGCTGCTGCG
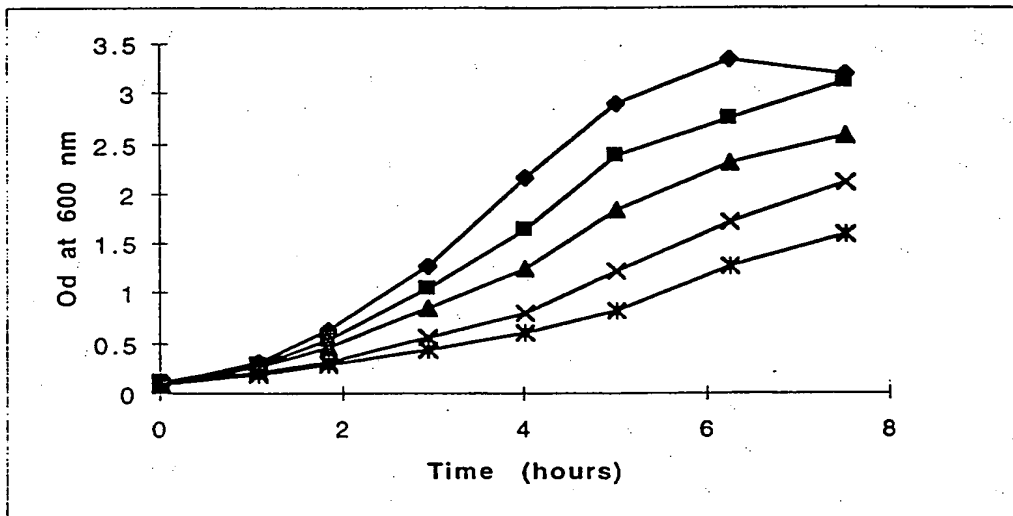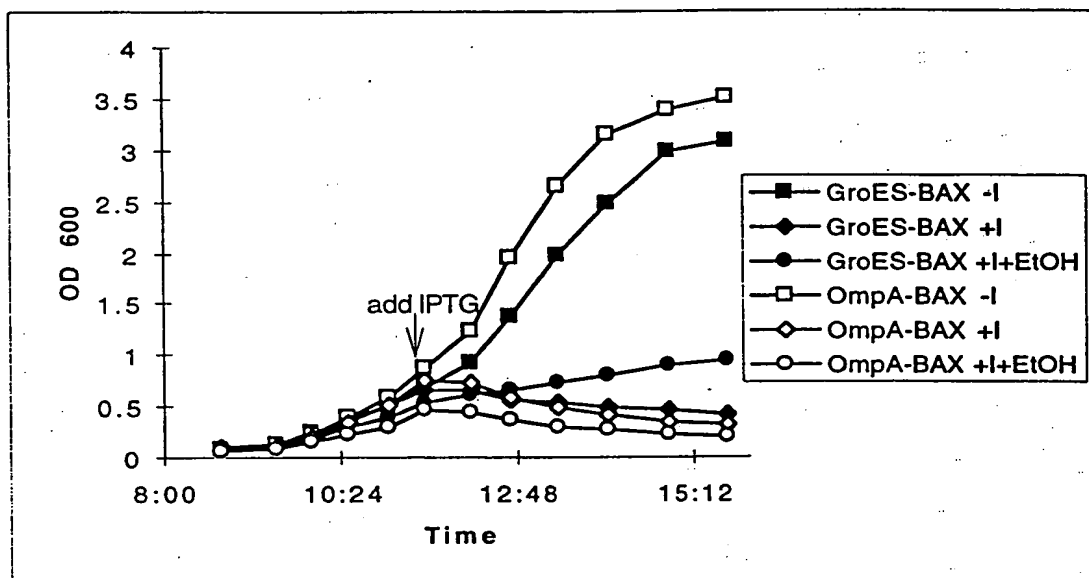DNA seqeunce

FIGURE 1

Method for Production of Proteins in Host Cells
Donnelly et al.
SN# Unassigned
Docket No. GC559-D1
Sheet 2 of 5

FIGURE 2

Method for Production of Proteins in Host Cells
Donnelly et al.
SN# Unassigned
Docket No. GC559-D1
Sheet 3 of 5

FIGURE 3

Method for Production of Proteins in Host Cells
Donnelly et al.
SN# Unassigned
Docket No. GC559-D1
Sheet 4 of 5

FIGURE 4

Method for Production of Proteins in Host Cells
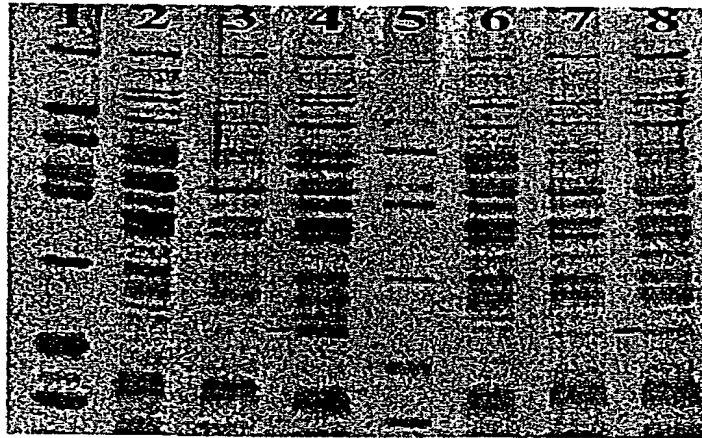Donnelly et al.
SN# Unassigned
Docket No. GC559-D1
Sheet 5 of 5

Design of a linker for attaching the GroEL-binding loop of GroES to proteins

Amino acid sequence
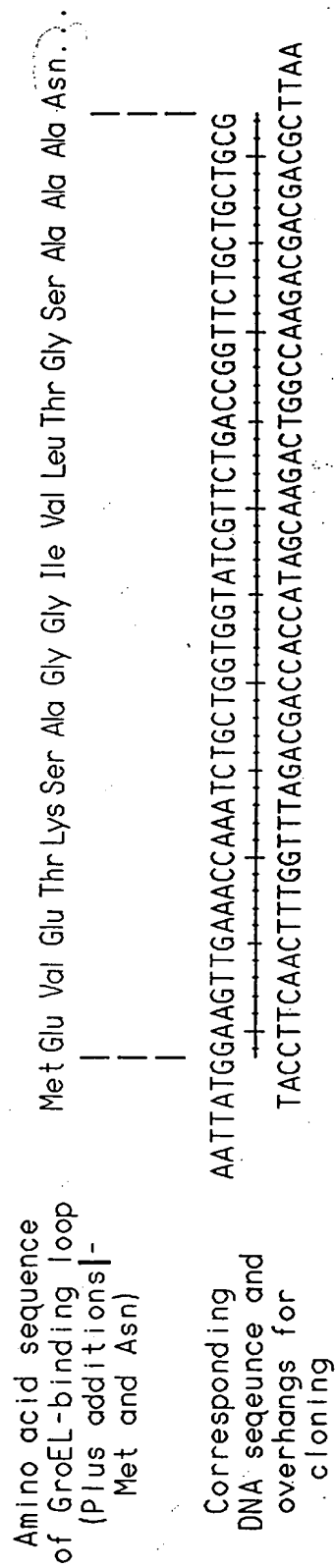of GroEL-binding loop
(Plus additions —
Met and Asn)

Met Glu Val Glu Thr Lys Ser Ala Gly Gly Ile Val Leu Thr Gly Ser Ala Ala Ala Asn

Corresponding
DNA seqeunce and
overhangs for
cloning

AATTATGGAAGTTGAAACCAAATCTGCTGGTGGTATCGTTCTGACCGGTTCTGCTGCTGCG
TACCTTCAACTTTGGTTTAGACGACCACCATAGCAAGACTGGCCAAGACGACGACGCTTAA

FIGURE 5